

METHOD AND APPARATUS FOR HYDROGEN SULPHIDE REMOVAL

Abstract of Disclosure

A method for removing hydrogen sulphide and carbon dioxide from a gas stream includes the step of contacting the gas stream with aqueous and gaseous ammonia in a closed vessel in the presence of solid iron. An apparatus for removing hydrogen sulphide and carbon dioxide from a gas stream includes a closed vessel for containing aqueous and gaseous ammonia and an iron source. The vessel is partitioned into inlet and outlet chambers and may itself serve as the iron source.

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Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1500	500	500	3000
Health status	Good			
Smoking status	Non-smoker			
Alcohol consumption	Occasional			
Stress level	Low			
Sleep quality	Good			
Exercise frequency	Regular			
Dietary habits	Healthy			
Family size	3	1	1	5
Work hours	40	5	30	50
Commuting time	30	10	10	60
Living space	100	20	50	150
Neighborhood safety	High			
Access to green spaces	Yes			
Public transportation	Good			
Crime rate	Low			
Weather conditions	Mild			
Proximity to schools	Close			
Proximity to parks	Close			
Proximity to shopping centers	Close			
Proximity to healthcare facilities	Close			
Proximity to public services	Close			
Proximity to cultural centers	Close			
Proximity to entertainment venues	Close			
Proximity to business districts	Close			
Proximity to government offices	Close			
Proximity to religious institutions	Close			
Proximity to community centers	Close			
Proximity to libraries	Close			
Proximity to museums	Close			
Proximity to theaters	Close			
Proximity to restaurants	Close			
Proximity to cafes	Close			
Proximity to bars	Close			
Proximity to nightclubs	Close			
Proximity to casinos	Close			
Proximity to gambling venues	Close			
Proximity to sports venues	Close			
Proximity to stadiums	Close			
Proximity to arenas	Close			
Proximity to convention centers	Close			
Proximity to exhibition spaces	Close			
Proximity to performance venues	Close			
Proximity to cultural landmarks	Close			
Proximity to historical sites	Close			
Proximity to museums of art	Close			
Proximity to museums of science	Close			
Proximity to museums of history	Close			
Proximity to museums of culture	Close			
Proximity to museums of nature	Close			
Proximity to museums of industry	Close			
Proximity to museums of technology	Close			
Proximity to museums of innovation	Close			
Proximity to museums of design	Close			
Proximity to museums of architecture	Close			
Proximity to museums of engineering	Close			
Proximity to museums of science fiction	Close			
Proximity to museums of fantasy	Close			
Proximity to museums of horror	Close			
Proximity to museums of mystery	Close			
Proximity to museums of crime	Close			
Proximity to museums of war	Close			
Proximity to museums of peace	Close			
Proximity to museums of human rights	Close			
Proximity to museums of social justice	Close			
Proximity to museums of environmental issues	Close			
Proximity to museums of climate change	Close			
Proximity to museums of renewable energy	Close			
Proximity to museums of sustainable development	Close			
Proximity to museums of global issues	Close			
Proximity to museums of international relations	Close			
Proximity to museums of diplomacy	Close			
Proximity to museums of foreign policy	Close			
Proximity to museums of international law	Close			
Proximity to museums of international trade	Close			
Proximity to museums of international finance	Close			
Proximity to museums of international economics	Close			
Proximity to museums of international politics	Close			
Proximity to museums of international relations theory	Close			
Proximity to museums of international relations practice	Close			
Proximity to museums of international relations research	Close			
Proximity to museums of international relations education	Close			
Proximity to museums of international relations training	Close			
Proximity to museums of international relations development	Close			
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